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## United States Patent [19]

Nishi

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• •	PROJECTION EXPOSURE APPARATUS  Inventor: Kenji Nishi, Kawasaki, Japan	4,747,678       5/1988       Shafer et al.       350/505         4,924,257       5/1990       Jain       355/53         5,004,348       4/1991       Magome       356/401         5,227,839       7/1993       Allen       355/53
[73]	Assignee: Nikon Corporation, Tokyo, Japan	

Primary Examiner—Richard A. Wintercorn Attorney, Agent, or Firm—Shapiro and Shapiro

## [57]

## ABSTRACT

Constant speed drive of a reticle and a wafer in a relative scanning direction and positioning of the reticle and the wafer are simultaneously performed with high precision by a slit scanning exposure scheme. A reticle side scanning stage for scanning a reticle relative to a slit-like illumination area in the relative scanning direction is placed on a reticle side base. A reticle side fine adjustment stage for moving and rotating the reticle within a two-dimensional plane is placed on the reticle side scanning stage. The reticle is placed on the reticle side fine adjustment stage. Constant speed drive and positioning of the reticle and a wafer are performed by independently controlling the reticle side scanning stage and the reticle side fine adjustment stage.

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[56]	References Cited			
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